

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Original) A system for measuring a property of a surface, the system comprising:
a plurality of survey probes; and
a survey controller configured to program the same survey probes for seismic or electrical measurements of the surface.
2. (Original) A system for measuring a property of a surface, the system comprising:
a plurality of survey probes, each having a unique identifier; and
a survey controller configured to automatically poll the survey probes to obtain each identifier and determine a relative order the probes.
3. (Original) The system of claim 2, each survey probe configured to:
disconnect a downstream neighbor survey probe and enter an idle state;
report its unique identifier to the survey controller if in the idle state and in response to a polling command from the survey controller; and
change to a state other than the idle state after reporting its unique identifier.
4. (Original) The system of claim 2, the survey controller configured to assign and transmit a different, unique identifier to each survey probe.
5. (Canceled)
6. (Original) The system of claim 2, the survey controller and survey probes being connected by a first number of conductors, the survey probes being configured to perform a second number of simultaneous measurements of the surface, and the second number not being limited by the first number.

7. (Original) The system of claim 2, the survey controller being remotely accessible through a computer network for remote control of the survey controller and the survey probes.

8. (Original) The system of claim 2, the survey probes being connected to the survey controller through three conductors, two conductors supplying power and a third conductor acting as a communications bus.

9. (Original) A system for measuring a property of a surface, the system comprising:
a survey controller; and
a plurality of survey probes configured to:

- (a) collect signals associated with the surface;
- (b) digitize the signals to form digital data; and
- (c) store the digital data for later transmission to the survey controller.

10-12. (Canceled)

13. (Original) The system of claim 9, the survey controller sending data to individually program survey probes to generate a stimulus simultaneously or according to another programmed timing scheme.

14. (Canceled)

15. (Original) The system of claim 9, the survey controller sending data to individually program survey probes to form digital data and store the digital data according to a programmed timing scheme.

16-26. (Canceled)

27. (Original) A system for measuring a property of a surface, the system comprising:
a survey controller; and
a plurality of survey probes whose position relative to one another is automatically determined.
- 28 (Original) The system of claim 27, further comprising a transmitting beacon and where the position is determined using a signal from the transmitting beacon.
29. (Original) The system of claim 27, further comprising a radio frequency identification (RFID) system coupled to the probes and a Global Positioning System (GPS), the position being determined by combining identification information from the RFID system with positional location from the GPS.
30. (Original) The system of claim 27, the survey probes being in motion.
31. (Original) A system for measuring a property of a surface, the system comprising:
a plurality of survey probes; and
a survey controller configured to supply power to the survey probes using a power conduit;
where the survey probes automatically electrically disconnect from the power conduit while measuring the property and operate using an internal source of power when disconnected to reduce noise.
32. (Original) A system for measuring a property of a surface, the system comprising:
a plurality of survey probes; and
a survey controller that is remotely accessible through a computer network for remote control of the survey probes, the remote control comprising:
(a) remote initiation of a measurement of the property of the surface;
and
(b) remote collection of data from a measurement of the property of the surface.

33. (Original) The system of claim 32, the remote control further comprising remote processing of data from a measurement of the property of the surface.

34. (Original) The system of claim 32, the remote control further comprising remote diagnostic testing of survey probes.

35-46. (Canceled)